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AGRICULTURAL LIBRARIES INFORMATION NOTES

National
Agricultural
Library

U.S. Department of
Agriculture
Beltsville, Md. 20705

ISSN: 0095-2699

Volume 10, Number 7
July 1984

REGIONAL DOCUMENT DELIVERY SYSTEM EXPANDS TO COVER 35 STATES

by
John B. Forbes,
Network Coordination, NAL
(301) 344-1563

NORTHWEST & U.S.D.A. REGIONAL DOCUMENT INTERMOUNTAIN REGION DELIVERY SYSTEM



WESTERN REGION

SOUTHWEST REGION

PUERTO RICO

This report marks 10 years of operation of the Regional Document Delivery System of the National Agricultural Library (NAL) and brings up-to-date the 8-year report, which appeared in the June 1982 issue of ALIN. Under this system, land-grant university libraries participate with the U.S. Department of Agriculture (USDA) and the National Agricultural Library (NAL) to provide documents and photocopies of articles to USDA personnel and libraries in their states and regions. Thirty-four states and Puerto Rico are covered through land-grant libraries, seven of which serve as regional coordinating libraries. The most recent addition is the Northeast Region serving Michigan, Ohio, Pennsylvania, and New York, coordinated by the Mann Library, Cornell University, Ithaca, New York (which joined the system at the end of fiscal year 1983). Missouri was also added recently to the Mid-Continent Region. (See map.)

Basic structure and service methods remain the same as originally set:

- USDA personnel and USDA field libraries in the states send their document requests to the major land-grant university library of that state.
- Requests are filled by the state land-grant library whenever possible with photocopies, microforms, or the loan of a hardcopy volume sent directly to the requester.
- Requests not filled at the state land-grant library are then sent to the regional coordinating library where they are filled if possible.
- Requests not filled at the regional level are referred to the National Agricultural Library for completion.

Standard instructions to all participating land-grant libraries are: (1) do not search for materials when they are not available within the building where service is provided, or from immediate branches; and (2) do not go through normal interlibrary loan process for material not available on campus. (Variations on these practices are followed in some cases.) These and other factors such as the depth and strengths of the book and journal collection and the organizational skills of the individuals working on the programs all bear on the fulfillment rate.

Funding is accomplished by cooperative agreements between the regional coordinators and the NAL, whereby the regional libraries hold the funds and reimburse the state land-grant libraries monthly or quarterly, and are in turn reimbursed by NAL. The basis for payments to the states is generally as follows:

- Payment by USDA of within-state photocopy rates at each institution at the same rates paid by other state users.
- Payment of \$1.50 for each item that is verified at the institution, or for which an attempt to verify is made.
- Referral fee of \$.50 for each uncompleted transaction referred to the regional library.
- Telephone, TWX, and postage costs as accrued.

The regional coordinating libraries receive payments for labor to coordinate the system, including financial and report paperwork, local verification, and referral.

The holdings of the regional coordinating libraries are especially vital to the efficient operation of the system. The regionals also handle many more requests than most of the individual states, and when the referrals are included, they deliver a heavy percentage of the requests in their respective regions.

Sixteen land-grants, including the seven regionals, received over 1,000 requests in calendar 1983. Of the nonregionals, the following states were the most active in number of receipts:

University of Florida	5,950
North Dakota State University	5,064
Utah State University	4,660
University of Idaho	3,760
Mississippi State University	3,298

Primary users of the service continue to be the Agricultural Research Service, the Forest Service, and the Soil Conservation Service, in that order.

No charges for overhead or indirect costs are currently being permitted to the states. This has a heavy impact on system costs. In the past, practice varied in this regard, and overhead or indirect costs at the four regional centers that did require overhead ranged from 12.5 percent to 26.5 percent.

By-passing of local or regional sources is encouraged when practical and judicious. USDA field libraries may request interlibrary loans from outside their region if they have determined the materials are not within. Land-grant libraries send requests for other states' land-grant publications directly to the appropriate state library. We may expect to see more and more of this by-passing as interlibrary loan networks such as OCLC continue to develop.

Some recent or planned activities are:

- Automation of the reporting system at NAL, using spreadsheet software on personal computers.
- Formation of a new region--Northeast--out of Michigan, New York, Ohio, and Pennsylvania, as recommended in our 1979-81 report. This region is coordinated by the Mann Library at Cornell University.
- Rewriting of the old Regional Document Delivery Guidelines to reflect current policy. (In progress.)
- Use by USDA scientists of electronic mail and/or other available (to them) electronic networks for the submission of document delivery requests, using RDDS or by-passing it whenever advantageous. (Being studied.)
- Use by USDA field libraries of OCLC's Interlibrary Loan Subsystem as an alternative to RDDS whenever feasible. (Being studied.)
- Integration of regional activities with NAL's developing automated circulation system. (Being studied.)

A statistical report of the regions for fiscal 1983 is included. This is also available separately. There is also available on request to NAL Lending Branch, Beltsville, MD 20705, a one-sheet statement entitled "USDA Regional Document Delivery," which includes the addresses of each of the participating institutions.

USDA REGIONAL DOCUMENT DELIVERY SYSTEM
AT LAND-GRANT LIBRARIES

Fiscal 1983

SUMMARY TABULATIONS

<u>Requests Received</u>	<u>Southern</u>	<u>South-west</u>	<u>Western</u>	<u>NW Mountain</u>	<u>Inter-Central</u>	<u>North Central</u>	<u>Mid-Continent</u>	<u>North East</u>	<u>Total</u>
Completed Comp. Rate	15,911 77.9%	9,718 67.7%	4,075 83.2%	7,788 72.0%	11,049 84.2%	3,025 78.0%	325 65.5%	51,891 76.3%	
Photocopy Volumes Sent	15,202 709	9,355 363	3,736 339	7,303 485	10,503 546	2,768 257	317 8	49,184 2,707	
Not completed	4,476	4,870	928	2,782	2,257	915	143	16,371	
Refer'd to NAL	4,127	4,316	842	2,431	1,832	839	51	14,438	
Ret'd to Patron	324	336	74	327	391	61	24	1,537	
Held	25	218	12	24	34	15	68	396	
Searched	0	511	9	34	161	368	13	1,096	
Verified	0	354	9	34	161	42	11	611	
Not Verified	0	157	0	0	0	326	2	485	

Costs

Photocopy	\$ 12,520.10	9,594.13	6,354.65	10,366.30	14,894.25	4,421.55	1,519.70	59,490.68
Verification	0	627.00	6.00	42.00	265.50	607.50	16.50	1,564.50
Referral Fee	1,266.05	282.00	431.50	1,661.50	1,868.50	411.08	71.00	5,991.63
TWX & Telephone	1.41	0	10.58	26.21	165.03	79.13	22.29	304.65
Postage	2,854.12	2,849.04	336.49	2,827.70	1,262.72	212.18	166.60	10,508.85
Total	\$16,641.68	13,352.17	7,139.22	14,923.71	18,456.00	5,551.44	1,796.09	\$77,860.31
Billing to NAL	\$38,540	38,531	17,136	29,539	38,998	7,480	3,100	\$173,324

Photocopy Exposures	128,029	74,690	26,734	71,224	95,001	23,479	2,752	421,909
Average pages per transaction	8.4	8.0	7.2	9.8	9.0	8.5	8.7	8.6

<u>Cost Per Transaction</u>								
Per Request Received	\$1.88	2.68	3.50	2.73	2.91	1.93	6.25	\$2.54
Per Request Compl't'd	\$2.42	3.96	4.21	3.79	3.53	2.47	9.54	3.34
Average Monthly Cost	\$3,212	3,211	1,428	2,462	3,250	623	1,033	\$14,444

<u>1982 Averages</u>								
Average pages	8.5							

<u>Cost Per Transaction</u>								
Per Request Received	\$2.87							
Per Request Compl't'd	\$3.71							

^{1/} Operated July/Sept. only



NEWS FROM THE FIELD

AN INNOVATIVE DEMONSTRATION TO COOPERATIVE EXTENSION AGENTS BY AGRICULTURAL LIBRARIANS

Recently, two librarians from the Albert R. Mann Library of Cornell University demonstrated the BRS After Dark computerized literature retrieval system at the New York State Cooperative Extension Conference. The two librarians, Linda Stewart and James Markiewicz, felt that by exhibiting BRS After Dark, they were placing themselves in a new role to fulfill the land-grant mission. They left the confines of a traditional librarian's environment--the library or the classroom--and met the public in its own milieu.

The BRS After Dark system is a product of the commercial database vendor BRS (Bibliographic Retrieval Services) located in Latham, New York. Approximately 35 databases, such as AGRICOLA, BIOSIS, MEDLARS, ERIC, and PsychINFO can be scanned to produce customized bibliographies on specified topics. The search language has been simplified to such an extent that the system may be used even by people unfamiliar with computers or literature searching. The words "After Dark" express the fact that it is only available after 6 p.m. on weekdays; it can also be accessed on Saturday and Sunday.

In order to exhibit the BRS After Dark system at the Cooperative Extension Conference's Technology Fair, a special demonstration password was used. The exhibitors explained how participants could contract for computer services either at home, in their offices, or in the library. The exhibit provided a great opportunity to discuss the search services available at the library as

well as other library issues. Questions concerning telephone reference service, interlibrary loans, and Mann Library's new microcomputer facility came from people who might never have had such easily-available contact with librarians.

Approximately 200 people stopped by the booth to discuss the exhibit or to try a search on such topics as: Stirling engines, the preservation of rubber toys, cultivation of lambsquarters, and the causes of vitamin B deficiency. The clientele ranged from people who had never touched a computer terminal to people who had already had searches performed by a librarian and were eagerly anticipating searching for themselves.

This demonstration of BRS After Dark represented several innovations in library services. The BRS After Dark system is new: it allows information seekers to gain direct access to online databases. Instead of being search intermediaries, the librarians acted as teachers of online searching. They were reaching a clientele--cooperative extension agents--not often reached by the academic library. Furthermore, they met with them at their own professional conference. By reaching out to extension agents and working with BRS representatives, an experience was gained in communicating with other information professionals in both public and private sectors.

They stated in part: "Our presence at the conference expressed our belief that librarians must take on new roles as consultants and teachers in the retrieval of information, rather than mere intermediaries. If we are to survive and grow as professionals, we must meet the challenge of new information products. We must become adept in their use and become experts to whom the public will turn to when consultation is needed."

Linda G. Stewart and
James Markiewicz
Albert R. Mann Library
Cornell University
Ithaca, NY 14853



BOTANIST'S TRAMP JOURNALS DONATED TO NAL

On May 30, 1984, the Journals of the late Dr. Charles C. Plitt (1869-1933), botanist, documenting his 3,153 botanizing trips occurring between 1899-1922 and spanning more than 400 square miles of Maryland countryside around Baltimore, were donated to the National Agricultural Library by Mrs. James E. Ray of Joppa in Harford County, Maryland. Mrs. Ray's father, Osborne O. Heard, was one of Dr. Plitt's students and neighbors.

Dr. Plitt carefully recorded the plants that he found, observations on their blooming time, and conditions under which they were growing. The preservation of wild flowers was a life-long interest to him and he often relocated rare plants in danger of extinction to new favorable spots. The tramps of Dr. Plitt describe the flora through Catonsville in Baltimore County, to Ilchester in Howard County, to special areas such as Loch Raven, Glen Burnie, Towson, and Curtis Bay. Dr. Plitt received the degree of Doctor of Science from the University of

Maryland in 1921 for outstanding work in biology.

The Plitt Journals provide a primary source on the status of plants that once grew in the Baltimore countryside, and on plants known to this region but no longer to be found. Today's botanists, naturalists and environmentalists will find these journals a very valuable research tool in their efforts to search for, preserve, and enrich our biological diversity.

A presentation ceremony was held in the NAL director's office and was attended by relatives, friends, and admirers of the late Dr. Plitt, including Arnold W. Norden, ecologist, Maryland Department of Natural Resources, Dr. Mason Hale, curator, Department of Botany, Museum of Natural History, Smithsonian Institution, as well as members of the NAL staff and Associates of NAL. This donation is a unique addition to NAL's special collections. Other materials by and about Dr. Plitt as well as unpublished journals of other known botanists are most welcomed.

--Alan Fusonie
Assistant Chief for
Special Collections, NAL
(301) 344-3876



Invited guests and NAL staff assembled in the director's office for the presentation ceremonies in honor of the Charles C. Plitt Journals donated to NAL's historical collection.





MICRO CORNER

S.T. WATERS, EDITOR

NAL'S INTERLIBRARY LOAN PROCESS BECOMES AUTOMATED

The OCLC ILL (interlibrary loan) subsystem is an electronic message system that allows participating libraries to request material from one another via electronic mail. Requests from borrowing libraries are electronically deposited into the lending library's "pending file"--these are requests pending from the lending library--and the lending libraries retrieve these requests in the same fashion. NAL retrieves approximately 70 to 80 requests a day from this system, at a rate of one request per every one and a half minutes. This is up nearly 500 percent over last year. To handle this increasing workload, NAL has had to begin automating its interlibrary loan procedures.

For comparison, the following routine was required to process interlibrary loan requests before automation. An ILL technician or aide printed off the requests from the ILL subsystem. The list was forwarded to support technicians who verified that NAL had the item being requested by putting a call number on each request identified. These requests were then put in call number order and the material was pulled from the stack area and delivered to the ILL technician. The cost of photocopy or the fact that the book itself was being sent was written on each request. The technician then re-entered the OCLC ILL subsystem to indicate to the borrowing libraries what actions had been taken.

To help reduce the 2 or more hours of hands on terminal time per day using this OCLC system, NAL purchased two OCLC ILL micro enhancers; the IBM and the Apple II enhancer. The Apple II micro-enhancer is a program stored

on a diskette and is available from OCLC. The program on the diskette will allow the user to enter the system online automatically, by direct dial or through the TYMNET Network. The system is programmed to print off all of the requests in the "pending file" and also to access the "off-line mode" which is the response mode. All requests with similar replies can be batched together in this mode in their respective categories, for example: "No"--this means NAL could not find or does not have the items. "Shipped"--means NAL is sending the material or a photocopy. The computer processes each category automatically on command. You can store your access number to OCLC in the access mode for automatic use and set the time clock inside the computer with yet another mode. The Apple works at night while the library is closed.

With the Apple enhancer in hand and an Apple II Plus computer, we set out to automate an exhausting manual process. On our first try, the printer would not print. We exchanged printers and again tested the system. The new printer would not print all of the information displayed on the monitor. After 2 1/2 weeks at the nearest Apple outlet and under expert scrutiny, our computer was returned and once more disaster struck. Again, the printer would not print all the information on the monitor; even the Apple experts had failed us. Our Information Systems Division came to the rescue. They hooked up a "microfazer" to our useless printer and it worked! Today, the processing of OCLC ILL requests is automated. The microfazer--a buffer that feeds the information to the printer at a controlled pace--solved the problem, saving us 3 hours of staff time each day.

Thanks to both Phil Turner and David Hoyt--for their knowledge, patience, and steadfastness--lending has taken a hard earned step into the future.

--Ronald B. Young
Lending Branch, NAL
(301) 344-4113

Items on new uses of microcomputers in libraries should be submitted to Sam T. Waters, National Agricultural Library, Room 200, Beltsville, MD 20705.



NEW PUBLICATIONS OF NOTE

ADULT AND CONTINUING EDUCATION THROUGH THE COOPERATIVE EXTENSION SERVICE.

Warren Prawl, et. al. Columbia, MO, University of Missouri, Extension Division, August 1984. 200 p. \$11.95. Order from Univ. of Missouri Extension Publications, 222 Fifth St., Columbia, MO 65211. (ISBN 0-933842-00-7, LC Catalog Card No. 84-61413).

BIOLOGICAL NITROGEN FIXATION TECHNOLOGY FOR TROPICAL AGRICULTURE. Ed. P. H. Graham and S. C. Harris, 1982. 726 p. \$53.00 (Order No. 4051-CIAT125). Order from UNIPUB, 205 East 42nd St., New York, NY 10017 (Tel: 1-800-521-8110).

DIRECTORY OF FEDERAL TECHNOLOGY RESOURCES 1984. Springfield, VA, U.S. Department of Commerce, Center for the Utilization of Federal Technology, National Technical Information Service, 1984. 137 p. \$25 (Order No. PB84-10015/TCY). Order from NTIS, Identification Section, 5285 Port Royal Road, Springfield, VA 22161 (Tel: 703-487-4780).

*AN INTRODUCTION TO BIOGAS PRODUCTION ON THE FARM. Washington, D.C., U.S. Department of Energy, National Center for Appropriate Technology, 1984. \$1.75 (No. DOE/CE/15095-23).

GASEOUS AIR POLLUTANTS AND PLANT METABOLISM. M. J. Koziol and F. R. Whatley. Butterworth Publishers, 1984. 446 p. \$99.95. Order from Publisher, 80 Montvale Ave., Stoneham, MA 02180 (Tel: 617-438-8464).

* IMMIGRATION REFORM AND AGRICULTURAL LABOR. Robert Coltrane. Washington, D.C., U.S. Department of Agriculture, Economic Research Service, April 1984. (Agricultural Economic Report No. 510). 31 p. Price unavailable.

INDEXING IN PERSPECTIVE EDUCATION KIT. Philadelphia, PA, National Federation of Abstracting & Information Services, October 1984. \$43.00 Order from NFAIS, Publications, 112 South 16 St., Philadelphia, PA 19102 (Tel: 215-563-2406).

ISSUES IN LIBRARY MANAGEMENT: A READER FOR THE PROFESSIONAL LIBRARIAN. White Plains, NY, Knowledge Industry Publications, Inc., 1984. 184 p. \$34.50 hardcover, \$27.50 softcover. Order from the Publisher, 701 Westchester Ave., White Plains, NY 10604 (Tel: 914-328-9157).

*LIST OF PROPRIETARY SUBSTANCES AND NONFOOD COMPOUNDS. Washington, D.C., U.S. Department of Agriculture, Food Safety and Inspection Service, April 1984. (Miscellaneous Publication No. 1419) 374 p. \$12.00.

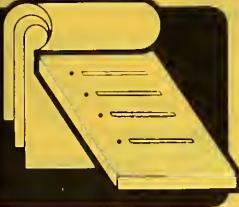
MATHEMATICAL MODELS IN AGRICULTURE. J. France and J. H. M. Thornley. Butterworth Publishers, 1984. 335 p. \$79.95. Order from Publisher, 80 Montvale Ave., Stoneham, MA 02180 (Tel: 617-438-8464).

MECHANICS IN AGRICULTURE. Lloyd J. Phipps. Interstate Printers and Publishers, Inc., 1984. 688 p. \$22.50. Order from Publisher, P. O. Box 594, Danville, IL 61832.

THE STATE OF FOOD AND AGRICULTURE 1982, WORLD REVIEW OF LIVESTOCK PRODUCTION: A WORLD PERSPECTIVE. FAO Agriculture Series No. 15, 1983. 203 p. \$32.50 (Order No. 4051-F2317). Order from UNIPUB, 205 East 42nd St., New York NY 10017 (Tel: 1-800-521-8110).

*WEED CONTROL IN LAWNS AND OTHER TURF. Washington, D.C., U.S. Department of Agriculture, Agricultural Research Service and Extension Service, May 1984. (Home and Garden Bulletin No. 239) 41 p. \$2.00

*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. (Tel: 202-783-3238.)



NEW SERIALS RECEIVED AT NAL

AGRICULTURAL CHEMICAL NEW PRODUCTS
DEVELOPMENT REVIEW. Fresno, CA,
Thomson Publications. a. Vol. 1
(1983)-

S583.A4

AGRAR PRAIX (AGRICULTURAL PRACTICE).
Essen, West Germany, W. Giraradet. m.
(Jan. 1984)-

18 b F332

AGRICULTURAL ENGINEERS YEARBOOK OF
STANDARDS, AND TECHNOLOGY. St. Joseph,
MI, American Society of Agricultural
Engineers. a. (1983/1984)-
58.9 b Am3A

CURRENT ADVANCES IN BIOCHEMISTRY. New
York, Pergamon Press. m. Vol. 1, no.
1 (Jan. 1984)-

Z5524.B54C8

CURRENT ADVANCES IN GENETICS &
MOLECULAR BIOLOGY. New York, Pergamon
Press. m. Vol. 1, no. 1 (Jan. 1984)-
Z5322.G4C872

COMPUTER PUBLISHERS & PUBLICATIONS: AN
INTERNATIONAL DIRECTORY. New Rochelle,
NY, Communications Trends, Inc. a.
(1984)-

Z282.C65

GENE ANALYSIS TECHNIQUES. New York,
NY, Elsevier Science Pub. Co. b-m.
Vol. 1, no. 1 (Jan. 1984)-
QH442.G446

GENETIC ENGINEERING AND BIOTECHNOLOGY
FIRMS WORLDWIDE DIRECTORY. Kingston,
NJ, Sittig and Noyes. a.
(1983/1984)-

QH442.G454

INTERNATIONAL BIO-ENERGY DIRECTORY AND
HANDBOOK. Washington, D.C., Bio-Energy
Council. a. (1984)-

QH442.G454

JOURNAL OF THE OPTICAL SOCIETY OF AMERICA.
OPTICS AND IMAGE SCIENCE. Washington,
D.C., Journal of the Optical Society of
America. m. Vol. 1, no. 1 (Jan. 1984)-
QC350.J68

TROPICAL VETERINARY AND ANIMAL SCIENCE
RESEARCH. New Delhi, India, Allied
Publishers. q. Vol. 1, no. 1 (Mar. 1983)-
SF724.T7 

SURPLUS AGRICULTURE EXPERIMENT STATION BULLETINS OFFERED

The University Library at the University of Massachusetts has a surplus of mostly bound copies of Agriculture Experiment Station Bulletins for 21 states and Puerto Rico that they are offering to academic and other nonprofit institutions for the cost of postage (unused stamps in reasonable denominations are acceptable). Some extensive files run from the 1800s to the 1950s (with variations). The states represented by one shelf-foot or more are: Hawaii (2 1/2'), Iowa (1 1/2'), Minnesota (9 1/2'), Missouri (16 1/2'), Montana (6'), Nebraska (7 1/2'), Nevada (2 1/2'), New Mexico (6'), North Dakota (6'), Ohio (15'), Oklahoma (7 1/2'), Oregon (6 1/2'), Pennsylvania (6 1/2'), Puerto Rico (4 1/2'), South Carolina (11 1/2'), South Dakota (7 1/2'), Tennessee (6'), Utah (6'), Washington (8 1/2'), West Virginia (6 1/2'), Wisconsin (12'), and Wyoming (7 1/2'). Volumes will be sent on a first-come, first-served basis. After August 31, 1984, remaining volumes will be sold or recycled. Please contact: Siegfried Feller, University of Massachusetts Library, Amherst, MA 01003. Tel: (413) 545-0058. 

QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL Reference Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. All titles in this series will be listed for 6 months. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requesters may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Section, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--84-31. CURRENT SITUATIONS AND PROSPECTS FOR AUSTRALIAN AND NEW ZEALAND AGRICULTURAL MARKETS, 1979-JAN. 1984. 169 citations from AGRICOLA. Language none-excluded. Searched by Mary E. Lassanyi. May 1984.

NAL--Q.B.--84-32. LIVESTOCK FEED ADDITIVES, 1979-1983. 189 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. May 1984.

NAL--Q.B.--84-33. EFFECTS OF NUCLEAR ATTACK ON AGRICULTURE, 1969-1983. 86 citations from AGRICOLA. Language none-excluded. Searched by Charles N. Bebee. May 1984.

NAL--Q.B.--84-34. FEDERAL MARKETING ORDERS, 1970-1983. 244 citations from AGRICOLA. Language none-excluded. Searched by Maria G. Pisa. May 1984.

NAL--Q.B.--84-35. THE MARKET POWER OF SOUTH AMERICA, 1970-JAN. 1984. 307 citations from AGRICOLA. Language none-excluded. Searched by Mary E. Lassanyi. May 1984.

NAL--Q.B.--84-36. NONPOINT SOURCE POLLUTION: AN AGRICULTURAL CONCERN, 1981-1984. 126 citations from

AGRICOLA. Language none-excluded. Searched by Mary E. Lassanyi. May 1984.

NAL--Q.B.--84-36. NONPOINT SOURCE POLLUTION: AN AGRICULTURAL CONCERN, 1981-1984. 126 citations from AGRICOLA. English only. Searched by Jayne T. MacLean May 1984. Supersedes 82-03.

NAL--Q.B.--84-37. URBAN AND COMMUNITY GARDENING, 1970-1984. 113 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. May 1984.

NAL--Q.B.--84-38. AGRICULTURAL TRADE AND INTERNATIONAL MARKETING OF NORTH AFRICA, 1970-March 1984. 147 citations from AGRICOLA. Language none-excluded. Searched by Mary E. Lassanyi. June 1984.

NAL--Q.B.--84-39. SOCIAL, STRUCTURAL, AND TECHNOLOGICAL CHANGES IN AGRICULTURE, 1979-March 1984. 222 citations from AGRICOLA. English only. Searched by Mary E. Lassanyi. June 1984. Supersedes 82-30.

NAL--Q.B.--84-40. ECONOMIC ASPECTS OF LOSSES IN AGRICULTURE, 1979-1983. 245 citations from AGRICOLA. English only. Searched by Maria G. Pisa. June 1984.

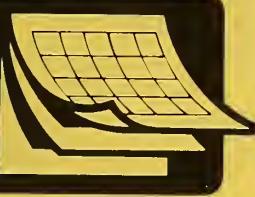
NAL--Q.B.--84-41. CONSERVATION TILLAGE (INCLUDING MINIMUM AND NO-TILLAGE), MAY 1982-April 1984. 292 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. June 1984. Supersedes 82-19.

NAL--Q.B.--84-42. ORGANIC FARMING AND GARDNING, 1979-1984. 137 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. June 1984. Supersedes 83-40.

NAL--Q.B.--84-43. VEGETABLE GARDENING, JAN. 1982-April 1984. 162 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. June 1984. Supersedes 83-32.

NAL--Q.B.--84-44. EAST EUROPEAN ECONOMIC RELATIONS AND AGRICULTURAL TRADE, 1970-APRIL 1984. 167 citations from AGRICOLA. Language none-excluded. Searched by Mary E. Lassanyi. June 1984.





AGRICULTURE DATEBOOK

July 29-August 1: THE GOLDEN ANNIVERSARY OF SOIL CONSERVATION. 39th annual meeting of the Soil Conservation Society of America. Oklahoma City, OK, Sheraton-Century Center Hotel. Contact: Walt Peechatka, SC5A, 7515 Northeast Ankeny Road, Ankeny, IA 50021. Tel: (515) 289-2331.

August 5-8: 75TH ANNUAL MEETING OF THE AMERICAN AGRICULTURAL ECONOMICS ASSOCIATION (AAEA). Cornell University, College of Agriculture and Life Sciences. Ithaca, NY. Contact: Dept. of Agric. Economics, University of Kentucky, Lexington, KY 40506.

August 5-9: ANNUAL MEETING OF THE BOTANICAL SOCIETY OF AMERICA. Fort Collins, CO. Contact: David Dilcher, Dept. of Biology, Indiana University, Bloomington, IN 47405.

August 5-11: 81ST ANNUAL MEETING, AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE. Univ. of British Columbia, Vancouver, Canada. Contact: American Society for Horticultural Science, 701 N. Saint Asaph St., Alexandria, VA 22314. Tel: (703) 836-4606.

September 10-12: BIOTECH '84 INTERNATIONAL CONFERENCE AND EXHIBITION. Washington, D.C. Second world conference and exhibition on commercial applications and implications of biotechnology. Contact: Biotech '84, London OnLine, Inc., Suite 1190, Two Penn Plaza, New York, NY 10121. Tel: (202) 279-8890.

September 17-21: THIRTEENTH WORLD CONGRESS ON DISEASES OF CATTLE. Durban, Republic of South Africa. Contact: Prof. R. I. Coubrrough, Chairman, Scientific Programme Committee, P. O. Box 35333, North Cliff 2115, Republic of South Africa.

October 21-26: CARIBBEAN FOOD CROPS SOCIETY. 20th Annual Meeting. St. Croix, Virgin Islands. Contact: Walter I. Knausenberger, Chairman, Organizing Committee; Caribbean Food Crops Society; College of the Virgin Islands, P. O. Box 'L', Kingshill, St. Croix, U.S.V.I. 00850. Tel: (809) 778-0246.

October 21-26: CHALLENGES TO AN INFORMATION SOCIETY. 47th ASIS Annual Meeting. Philadelphia, PA. Franklin Plaza. Contact: ASIS, 1010 16th Street, N.W., Washington, D.C. 20036. Tel: (202) 659-3644.

November 25-30: FEDERAL INTERAGENCY FIELD LIBRARIANS' WORKSHOP. 13th Annual Meeting. Washington, D.C., Shoreham Hotel. Contact: Barbara Bauman, U.S. Dept. of Interior, Info. & Library Services, 18th & C Streets, N.W.-Room 2012, Washington, D.C. 20240. Tel: (ask for FIFL Hotline) (202) 343-5821.

December 2-4: 42ND PROFESSIONAL AGRICULTURAL WORKERS CONFERENCE (PAWC). Tuskegee Institute, AL. Theme: "Strategy for the Survival of Small Farmers in the United States. Deadline for papers submission is July 31, 1984. Contact: Dr. T.T. Williams, Director, Human Resources Development Center, P. O. Box 681, Tuskegee Institute, AL 36088. Tel: (205) 727-8764.

December 5-7: 4th ANNUAL VIDEODISC AND OPTICAL DISK CONFERENCE. Washington, D.C., Washington Hilton. Contact: Mark Roseman, Meckler Communications, 520 Riverside Ave., Westport, CT 06880. Tel: (203) 226-6967.

December 11-12: ESCOP SPONSORED WORKSHOP ON STATE AND FEDERAL LIAISON. Atlanta, GA. Contact: Glen W. Goss, Director of Agricultural Communications, The Pennsylvania State University, 401 Agricultural Administration Bldg., University Park, PA 16802. Tel: (814) 863-2702.

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March 4-6: NATIONAL FEDERATION OF ABSTRACTING & INFORMATION SERVICES (NFAIS). 27th Annual Conference. Arlington, VA, Crystal Gateway Marriott Hotel. Conference Theme--"New Developments in Electronic Publishing & Information Services." Contact: NFAIS, 112 South Sixteenth St., Suite 1207, Philadelphia, PA 19102. Tel: (215) 563-2406.

June 2-6: INFORMATION FOR FOOD. VII World Congress of the International Association of Agricultural Librarians and Documentalists. Ottawa, Canada. Contact: Canadian Planning Committee, IAALD 1985, Room 249, Sir John Carling Blvd., Agriculture Canada, Ottawa, Canada, K1A OC5. 

AGRICULTURAL LIBRARIES INFORMATION NOTES provides a channel of communication to technical information specialists, librarians, extension workers, researcher and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Eugene Farkas, Editor, Marilyn M. Jacobs, Assistant Editor. (Tel: 301-344-3778).